338.1 A7mbm 1991-Montana barley for malt, ... crop



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### MONTANA BARLEY FOR MALT 1992 CROP

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### MONTANA MALTING BARLEY UTILIZED TO PRODUCE MALT--1992 CROP

Maltsters and brewers purchased 10.1 million bushels of Montana's 1992 barley crop to make malt. This was 29 percent less than 1991 and 18 percent less than 1990. The 1992 malt barley utilization represented 19 percent of the total 1992 barley crop compared with 17 percent in 1991 and 22 percent in 1990.

Montana growers planted 1.35 million acres of barley in 1992. Of the total, about 467 thousand acres were planted to malting varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley then approximately 18.3 million bushels of malting type barley would be produced. Since 10.1 million bushels were used for malt the remaining 8.2 million bushels either did not make the malting grade or exceeded the demand for malting barley.

The average protein of the 1992 malting barley purchases was 12.1 percent. This is 0.2 lower than the 12.3 percent last year and 0.8 lower than the 12.9 percent of 1990.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain firms who cooperated in furnishing data.

Montana Agricultural Statistics James K. Sands, State Statistician Steve Susemihl, Ag. Statistician Montana Department of Agriculture Leo Giacometto, Director

# MONTANA BARLEY USED TO PRODUCE MALT, 1990-92 CROPS

		MONIANA BANCET C	SED IO FRE	USED TO FRODUCE MALL, 1990-92 CHOPS	1330-35 Ch	OLO.	
	CROP*			DISTRICTS		STATE	
VARIETY	YEAR	N. CENTRAL	** CENTRAL	SOUTHWEST	S. CENTRAL	BUSHELS PROTEIN	PROTEIN
KLAGES	1990	2,020,000	80,000			2,100,000	13.0
	1991	1,200,000	119,000	357,000		1,676,000	12.4
	1992	000'09				000'09	12.7
HARRINGTON	1990	1,435,000	300,000			1,735,000	13.0
	1991	1,948,000	70,000			2,018,000	12.5
	1992	2,494,000	245,000			2,739,000	12.6
MORAVIAN III	1990	673,000			1,240,000	1,913,000	12.7
	1991	610,000			1,160,000	1,770,000	11.8
940	1992	840,000			400,000	1,240,000	11.6
MOREX	1990	837,000	40,000	568,000	1,057,000	2,502,000	13.0
	1991	1,221,000	110,000	1,090,000	000'099	3,081,000	12.4
	1992	794,500		750,000		1,544,500	12.4
AB VARIETIES	1990	3,705,000				3,705,000	12.6
	1991	4,202,000	640,000		582,000	5,424,000	12.3
	1992	3,706,500		371,000	367,000	4,444,500	11.9
RUSSELL	1990	275,000	80,000			355,000	12.7
	1991	220,000	42,000			262,000	12.0
	1992	0	0			0	I I
OTHER	1990		35,000		20,000	55,000	12.5
	1991	38,000				38,000	12.1
	1992	61,000	20,000			81,000	12.6
TOTAL	1990	8,945,000	535,000	568,000	2,317,000	12,365,000	12.9
	1991	9,439,000	981,000	1,447,000	2,402,000	14,269,000	12.3
	1992	7,956,000	265,000	1,121,000	767,000	10,109,000	12.1
* Crop year defined as July 1 to June 30	ined as Ju	ly 1 to June 30					

\*\* Includes Northwest

### MONTANA BARLEY FOR MALT 1993 CROP

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### MONTANA MALTING BARLEY UTILIZED TO PRODUCE MALT-1993 CROP

Maltsters and brewers purchased 13.7 million bushels of Montana's 1993 barley crop to make malt. This was 36 percent more than 1992, but 4 percent less than 1991. The average protein of the 1993 malting barley purchases was 11.5 percent. This is 0.6 lower than the 12.1 percent last year and 0.8 lower than the 12.3 percent of 1991.

Montana growers planted 1.3 million acres of barley in 1993. Of the total, about 432.0 thousand acres were planted to malting varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley then approximately 21.2 million bushels of malting type barley would be produced. Since 13.7 million bushels were used for malt the remaining 7.5 million bushels either did not make the malting grade or exceeded the demand for malting barley. The 1993 malt barley utilization represented 22 percent of the total 1993 barley crop compared with 19 percent in 1992 and 17 percent in 1991.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

Montana Agricultural Statistics
James K. Sands, State Statistician
Steve Susemihl, Agricultural Statistician

Montana Department of Agriculture Leo Giacometto, Director

# MONTANA BARLEY USED TO PRODUCE MALT, 1991-93 CROPS

	*dVa7			DISTRICTS			STATE	TE
VABIETY	VEAR	N CHNTRAI **	CENTRAL	CENTRAL SOUTHWEST	S. CENTRAL SOUTHEAST	UTHEAST	BUSHELS	PROTEIN
KI AGES	1991	1.200.000	119,000	357,000			1,676,000	12.4
	1992	000'09	•				000'09	12.7
	1993	68,000		12,000			80,000	11.5
HARRINGTON	1991	1,948,000	70,000				2,018,000	12.5
	1992	2,494,000	245,000				2,739,000	12.6
	1993	5,580,000	740,000				6,320,000	11.5
MORAVIAN III	1991	610,000			1,160,000		1,770,000	11.8
	1992	840,000			400,000		1,240,000	11.6
	1993				300,000		300,000	12.0
MOREX	1991	1,221,000	110,000	1,090,000	000'099		3,081,000	12.4
	1992	794,500		750,000			1,544,500	12.4
	1993	1,045,000	50,000	280,000			1,375,000	12.1
AB VARIETIES	1991	4,202,000	640,000		582,000		5,424,000	12.3
	1992	3,706,500		371,000	367,000		4,444,500	11.9
	1993	4,840,000	150,000		530,000		5,520,000	11.3
RUSSELL	1991	220,000	42,000				262,000	12.0
	1992	0	0				0	1
	1993	0	0				0	1
OTHER	1991	38,000					38,000	12.1
	1992	61,000	20,000				81,000	12.6
	1993	33,000	33,000	36,000			102,000	11.5
TOTAL	1991	9,439,000	981,000	1,447,000	2,402,000		14,269,000	12.3
	1992	7,956,000	265,000	1,121,000	767,000		10,109,000	12.1
	1993	11,566,000	973,000	328,000	830,000		13,697,000	11.5
* Crop year defined as July 1 to June 30	fined as Ju	uly 1 to June 30						

Crop year defined as July 1 to June 30Includes Northwest

### DARLEY FOR MALT 1994 CROP

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### MONTANA MALTING BARLEY UTILIZED TO PRODUCE MALT--1994 CROP

Maltsters and brewers purchased 15.3 million bushels of Montana's 1994 barley crop to make malt. This was 11 percent more than 1993 and 51 percent more than 1992. The average protein content of the 1994 malting barley purchases was 12.1 percent. This is 0.6 points higher than last year, but the same as 1992.

Montana growers planted 1.3 million acres of barley in 1994. Of the total, about 485 thousand acres were planted to malting varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley, then approximately 19.7 million bushels of malting type barley would have been produced. Since 15.3 million bushels were used for malt, the remaining 4.4 million bushels either did not make the malting grade or exceeded the demand for malting barley. Barley utilized for malt represented 29 percent of the total 1994 barley crop compared with 22 percent of the total in 1993 and 19 percent in 1992.



This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

Montana Agricultural Statistics Peggy Stringer, State Statistician Steve Susemihl, Agricultural Statistician

MONTANA BARLEY USED TO PRODUCE MALT, 1992-94 CROPS

		MONITOR DAILY	000				
	CROP*		Ω	DISTRICTS		STATE	m
VARIETY	YEAR	N. CENTRAL **		OUTHWEST 8	CENTRAL SOUTHWEST S. CENTRAL SOUTHEAST	BUSHELS	PROTEIN
KI AGES	1992	60.000				000'09	12.7
	1993	68,000		12,000		80,000	11.5
	1994	100,000		10,000		110,000	10.6
HARRINGTON	1992	2.494,000	245,000			2,739,000	12.6
	1993	5,580,000	740,000			6,320,000	11.5
	1994	5,094,300	763,000			5,857,300	12.5
MORAVIAN III	1992	840,000			400,000	1,240,000	11.6
	1993				300,000	300,000	12.0
	1994	285,000				285,000	10.7
MORFX	1992	794,500		750,000		1,544,500	12.4
	1993	1.045,000	50,000	280,000		1,375,000	12.1
	1994	755000		469000		1,224,000	12.4
AB VARIETIES	1992	3,706,500		371,000	367,000	4,444,500	11.9
	1993	4,840,000	150,000		530,000	5,520,000	11.3
	1994	5,518,720	246,000		200,000	6,264,720	12.1
GALENA	1992					0	1
	1993					0	<b>.</b>
	1994			187,000	1,120,000	1,307,000	10.7
OTHER	1992	61,000	20,000			81,000	12.6
	1993	33,000	33,000	36,000		102,000	11.5
	1994	45,000		178,000		223,000	12.6
TOTAL	1992	7,956,000	265,000	1,121,000	767,000	10,109,000	12.1
	1993	11,566,000	973,000	328,000	830,000	13,697,000	11.5
	1994	11,798,020	1,009,000	844,000	1,620,000	15,271,020	12.1
* Crop year def	ined as Ju	Crop year defined as July 1 to June 30					

<sup>\*\*</sup> Includes Northwest

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### MONTANA BARLEY FOR MALT 1995 CROP



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### MONTANA MALTING BARLEY UTILIZED TO PRODUCE MALT--1995 CROP

Maltsters and brewers purchased 20.1 million bushels of Montana's 1995 barley crop to make malt. This was 32 percent more than 1994 and 47 percent more than 1993. The average protein of the 1995 malting barley purchases was 11.8 percent. This is 0.3 lower than the 12.1 percent last year and 0.3 higher than the 11.5 percent for 1993.

Montana growers planted 1.3 million acres of barley in 1995. Of the total, about 477 thousand acres were planted to malting varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley then approximately 22.9 million bushels of malting type barley would be produced. Since 20.1 million bushels were used for malt the remaining 2.8 million bushels either did not make the malting grade or exceeded the demand for malting barley. The 1995 malt barley utilization represented 32 percent of the total 1995 barley crop compared with 29 percent of the total in 1994 and 22 percent in 1993.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

Montana Agricultural Statistics
Peggy Stringer, State Statistician
Steve Susemihl, Agricultural Statistician

# MONTANA RARLEY USED TO PRODUCE MALT. 1993-95 CROPS

CROP- VARIETY         PEAR YEAR         N. CENTRAL         CENTRAL SOUTHWEST         S. CENTRAL SOUTHEAST         BUSHELS         PROTEIN           KLAGES         1993         68,000         12,000         10,000         11.5           HARRINGTON         1993         5,880,000         740,000         35,000         66,000         11.5           MORAVIAN III         1993         285,000         624,000         140,000         60,000         10,280,000         11.5           MOREX         1993         1,045,000         624,000         140,000         300,000         12.5         5,857,000         12.5           MOREX         1993         1,045,000         50,000         280,000         10.7         500,000         12.1           AB VARIETIES         1993         4,840,000         150,000         300,000         12.1         12.4           AB VARIETIES         1993         4,840,000         150,000         500,000         12.1           AB VARIETIES         1993         4,840,000         150,000         500,000         12.1           AB VARIETIES         1993         4,840,000         150,000         500,000         12.1           AB VARIETIES         1993         4,840,000 <t< th=""><th></th><th>MONT</th><th>MONTANA BARLEY USED TO PRODUCE MALL, 1993-95 CROPS</th><th>SED TO PRO</th><th>DUCE MAI</th><th>_1,1993-95</th><th>CXCTU</th><th></th><th></th></t<>		MONT	MONTANA BARLEY USED TO PRODUCE MALL, 1993-95 CROPS	SED TO PRO	DUCE MAI	_1,1993-95	CXCTU		
YEAR         N. CENTRAL         CENTRAL SOUTHWEST         S. CENTRAL SOUTHEAST         BUSHELS           1993         68,000         12,000         80,000         110,000         110,000           1994         100,000         10,000         10,000         110,000         110,000           1995         65,000         740,000         35,000         5,857,000         63,20,000           1994         5,094,000         763,000         300,000         5,857,000         5,857,000           1993         285,000         6224,000         140,000         300,000         300,000           1994         285,000         500,000         300,000         300,000           1995         500,000         50,000         285,000           1994         755,000         50,000         280,000           1995         500,000         300,000         500,000           1994         5,519,000         246,000         500,000         500,000           1995         500,000         300,000         500,000         6,225,000           1996         6,009,000         82,500         500,000         6,534,000           1997         6,009,000         82,500         1,120,000         1,100		CROP*		Di	STRICTS			STAT	ш
1993         68,000         12,000         80,000           1994         100,000         10,000         110,000           1995         65,000         740,000         6,320,000           1993         5,580,000         763,000         5,887,000           1994         5,094,000         624,000         140,000         60,000           1993         285,000         300,000         300,000           1994         285,000         300,000         300,000           1994         285,000         50,000         300,000         10,228,000           1994         285,000         50,000         300,000         300,000           1994         500,000         50,000         280,000         1,375,000           1994         500,000         50,000         300,000         1,228,000           1995         500,000         300,000         50,000         1,224,000           1996         6,009,000         469,000         50,000         5,520,000           1997         1,545,000         300,000         50,000         6,634,000           1998         6,009,000         482,500         1,120,000         1,307,000           1998         1,000	VARIETY	YEAR		CENTRAL SC		CENTRAL	SOUTHEAST	BUSHELS	PROTEIN
1994         100,000         10,000         110,000         110,000           1995         65,000         740,000         6320,000         100,000           1993         5,580,000         763,000         5,887,000         5,887,000           1994         5,094,000         624,000         140,000         60,000         10,228,000           1993         285,000         300,000         300,000         300,000         300,000           1994         5,00,000         50,000         280,000         1,375,000           1994         5,00,000         50,000         280,000         1,375,000           1994         5,00,000         50,000         280,000         1,375,000           1995         5,00,000         50,000         300,000         1,224,000           1996         5,00,000         150,000         500,000         5,520,000           1997         5,519,000         246,000         500,000         5,520,000           1998         6,009,000         82,500         1,120,000         1,307,000           1998         6,009,000         82,500         1,120,000         1,100,000           1998         7,000         1,000,000         1,100,000         1,100,0	KI AGES	1993	68,000		12,000			80,000	11.5
1995         65,000         35,000         100,000           1 1993         5,580,000         740,000         5,857,000           1994         5,094,000         763,000         140,000         60,000         10,228,000           1993         285,000         300,000         300,000         300,000         300,000           1994         285,000         300,000         300,000         285,000         500,000           1994         755,000         469,000         1,375,000         500,000         1,375,000           1994         755,000         469,000         500,000         1,224,000         800,000           1995         5,00,000         150,000         500,000         500,000         800,000           1994         7,519,000         246,000         500,000         542,500         6,265,000           1993         4,840,000         82,500         542,500         6,634,000         0           1993         4,900,000         82,500         1,120,000         1,307,000           1993         33,000         33,000         36,000         1,100,000         1,307,000           1994         1,566,000         973,000         1,600,000         13,697,000         13,69		1994	100,000		10,000			110,000	10.6
1         1993         5,580,000         740,000         6,320,000           1994         5,094,000         763,000         5,857,000         5,857,000           1995         9,404,000         624,000         140,000         300,000         300,000           1993         285,000         300,000         300,000         500,000         500,000           1994         285,000         500,000         280,000         1,375,000         500,000           1993         1,045,000         50,000         280,000         1,224,000         1,224,000           1994         755,000         469,000         530,000         800,000         1,224,000           1994         750,000         246,000         500,000         500,000         6,265,000           1993         4,840,000         150,000         500,000         6,265,000         6,265,000           1993         5,519,000         82,500         187,000         1,120,000         1,307,000           1993         6,009,000         82,500         1,120,000         1,307,000         1,307,000           1993         33,000         33,000         36,000         1,100,000         1,100,000           1994         750,000 <t< td=""><td></td><td>1995</td><td>65,000</td><td></td><td>35,000</td><td></td><td></td><td>100,000</td><td>11.7</td></t<>		1995	65,000		35,000			100,000	11.7
1994         5,094,000         763,000         5,857,000           1995         9,404,000         624,000         140,000         60,000         10,228,000           1993         285,000         300,000         300,000         300,000           1994         285,000         500,000         285,000         500,000           1995         500,000         50,000         280,000         1,375,000           1994         755,000         50,000         300,000         1,224,000           1994         755,000         150,000         300,000         530,000         1,224,000           1995         5,519,000         246,000         500,000         5500,000         6,265,000           1993         4,840,000         82,500         542,500         6,634,000           1994         5,519,000         82,500         1,120,000         1,307,000           1995         6,009,000         82,500         1,120,000         1,307,000           1996         45,000         1,307,000         1,100,000         1,100,000           1997         240,000         178,000         1,100,000         1,100,000           1998         11,566,000         973,000         328,000         8	HARRINGTON	1993	5,580,000	740,000				6,320,000	11.5
1995         9,404,000         624,000         140,000         60,000         10,228,000           1993         285,000         300,000         300,000         300,000           1994         285,000         500,000         285,000           1995         500,000         50,000         280,000         1,375,000           1994         755,000         50,000         280,000         1,224,000           1995         500,000         150,000         300,000         530,000         800,000           1994         5,519,000         246,000         500,000         5500,000         6,265,000           1993         4,840,000         82,500         542,500         6,634,000         0           1993         6,009,000         82,500         1,120,000         1,307,000         0           1994         45,000         187,000         1,100,000         1,100,000         102,000           1993         11,566,000         33,000         36,000         1,527,000         223,000           1995         240,000         110,000         400,000         1,5271,000         15,271,000           1995         16,718,000         875,000         830,000         13,697,000         15,271,00		1994	5,094,000	763,000				5,857,000	12.5
1993     285,000     300,000     300,000       1994     285,000     285,000     285,000       1995     500,000     50,000     280,000     1,375,000       1993     1,045,000     500,000     300,000     1,224,000       1994     755,000     469,000     530,000     800,000       1994     5,519,000     246,000     530,000     6,265,000       1995     6,009,000     82,500     542,500     6,634,000       1993     1,100,000     1,120,000     1,307,000       1993     1,100,000     1,100,000     1,100,000       1993     33,000     33,000     1,100,000     1,100,000       1993     33,000     33,000     178,000     1,100,000     1,100,000       1993     33,000     33,000     36,000     1,100,000     1,100,000       1993     1,566,000     373,000     38,000     30,000     13,697,000       1994     1,566,000     973,000     328,000     830,000     13,697,000       1995     11,798,000     1,009,000     844,000     1,642,500     60,000     20,112,000		1995	9,404,000	624,000	140,000		60,000	10,228,000	11.6
1994         285,000         285,000         285,000           1995         500,000         50,000         280,000         1,375,000           1993         1,045,000         50,000         280,000         1,375,000           1994         755,000         469,000         300,000         800,000           1995         500,000         150,000         530,000         5,520,000           1994         5,519,000         246,000         500,000         6,265,000           1993         4,840,000         82,500         542,500         6,634,000           1993         1,94         1,120,000         1,307,000         1,307,000           1994         45,000         33,000         36,000         1,100,000         1,100,000           1993         33,000         33,000         36,000         1,100,000         102,000           1993         11,566,000         973,000         328,000         830,000         13,697,000           1994         11,798,000         1,009,000         844,000         1,622,000         15,271,000           1995         11,798,000         1,009,000         875,000         1,642,500         60,000         20,112,000	MORAVIAN III	1993				300,000		300,000	12.0
1995     500,000     500,000       1993     1,045,000     50,000     280,000       1994     755,000     469,000     1,375,000       1995     500,000     300,000     500,000       1994     5,519,000     246,000     500,000     5,520,000       1994     5,519,000     246,000     500,000     6,265,000       1995     6,009,000     82,500     542,500     6,634,000       1994     1995     1,307,000     1,307,000       1995     33,000     33,000     1,120,000     1,307,000       1993     33,000     36,000     1,100,000     102,000       1994     45,000     178,000     178,000     102,000       1993     11,566,000     973,000     844,000     1,620,000     15,271,000       1995     16,718,000     816,500     875,000     1,642,500     60,000     20,112,000		1994	285,000					285,000	10.7
1993     1,045,000     50,000     280,000     1,375,000       1994     755,000     469,000     1,224,000       1995     500,000     300,000     530,000     5,520,000       1994     5,519,000     246,000     500,000     6,265,000       1995     6,009,000     82,500     542,500     6,634,000       1993     1994     187,000     1,120,000     1,307,000       1995     33,000     33,000     187,000     1,100,000     1,100,000       1993     33,000     33,000     36,000     1,100,000     102,000       1994     45,000     178,000     178,000     750,000       1993     11,566,000     973,000     844,000     1,620,000     15,271,000       1994     11,798,000     1,642,500     60,000     20,112,000		1995	500,000					500,000	10.5
1994     755,000     469,000     1,224,000       1995     500,000     300,000     530,000     800,000       1993     4,840,000     150,000     530,000     5,520,000       1994     5,519,000     246,000     500,000     6,265,000       1995     6,009,000     82,500     542,500     6,634,000       1994     1993     187,000     1,120,000     1,307,000       1995     33,000     33,000     36,000     1,100,000     102,000       1993     33,000     33,000     36,000     178,000     102,000       1993     45,000     110,000     400,000     223,000       1993     11,566,000     973,000     830,000     13,697,000       1994     11,798,000     1,009,000     844,000     1,620,000     15,271,000       1995     16,718,000     875,000     1,642,500     60,000     20,112,000	MOREX	1993	1,045,000	50,000	280,000			1,375,000	12.1
1995         500,000         300,000         800,000           1993         4,840,000         150,000         530,000         5,520,000           1994         5,519,000         246,000         500,000         6,265,000           1993         6,009,000         82,500         542,500         6,634,000           1993         1994         1,120,000         1,307,000           1995         33,000         33,000         1,100,000         1,100,000           1993         33,000         33,000         36,000         1,100,000         102,000           1994         45,000         110,000         400,000         750,000         223,000           1993         11,566,000         973,000         328,000         830,000         13,697,000           1994         11,798,000         1,009,000         844,000         1,620,000         15,271,000           1995         16,718,000         816,500         875,000         1,642,500         60,000         20,112,000		1994	755,000		469,000			1,224,000	12.4
1993       4,840,000       150,000       530,000       5,520,000         1994       5,519,000       246,000       500,000       6,265,000         1995       6,009,000       82,500       542,500       6,634,000         1993       1994       187,000       1,120,000       1,307,000         1995       33,000       33,000       178,000       1,100,000       1,100,000         1993       33,000       33,000       178,000       178,000       102,000         1994       45,000       110,000       400,000       223,000         1995       240,000       110,000       400,000       750,000         1993       11,566,000       973,000       328,000       830,000       13,697,000         1994       11,798,000       1,009,000       844,000       1,642,500       60,000       20,112,000		1995	500,000		300,000			800,000	12.1
1994       5,519,000       246,000       500,000       6,265,000         1995       6,009,000       82,500       542,500       6,634,000         1993       1994       187,000       1,120,000       1,307,000         1995       33,000       33,000       36,000       1,100,000       1,00,000         1994       45,000       178,000       178,000       223,000         1995       240,000       110,000       400,000       750,000         1993       11,566,000       973,000       328,000       830,000       13,697,000         1994       11,798,000       1,009,000       844,000       1,642,500       60,000       20,112,000	AB VARIETIES	1993	4,840,000	150,000		530,000		5,520,000	11.3
1995     6,009,000     82,500     542,500     6,634,000       A     1993     1994     187,000     1,120,000     1,307,000       1995     33,000     33,000     36,000     1,100,000     102,000       1994     45,000     178,000     178,000     102,000       1995     240,000     110,000     400,000     750,000       1993     11,566,000     973,000     830,000     13,697,000       1994     11,798,000     1,009,000     844,000     1,620,000     15,271,000       1995     16,718,000     816,500     875,000     1,642,500     60,000     20,112,000		1994	5,519,000	246,000		500,000		6,265,000	12.1
A       1993         1994       1995         1995       1,120,000         1993       33,000         1994       45,000         1995       1,100,000         1994       45,000         1995       240,000         1993       11,566,000         1993       11,566,000         1994       11,798,000         1995       16,718,000         816,500       875,000         1,642,500       60,000		1995	6,009,000	82,500		542,500		6,634,000	12.1
1994       187,000       1,120,000       1,307,000         1995       33,000       33,000       1,100,000       1,100,000         1993       33,000       36,000       1,100,000       102,000         1994       45,000       178,000       223,000         1995       240,000       110,000       400,000       750,000         1993       11,566,000       973,000       328,000       830,000       13,697,000         1994       11,798,000       1,009,000       844,000       1,620,000       15,271,000         1995       16,718,000       816,500       875,000       1,642,500       60,000       20,112,000	GALENA	1993						0	ı
1995     1,100,000     1,100,000       1993     33,000     36,000     178,000       1994     45,000     178,000     223,000       1995     240,000     110,000     400,000     750,000       1993     11,566,000     973,000     328,000     830,000     13,697,000       1994     11,798,000     1,009,000     844,000     1,620,000     15,271,000       1995     16,718,000     816,500     875,000     1,642,500     60,000     20,112,000		1994			187,000	1,120,000		1,307,000	10.7
1993       33,000       36,000       102,000         1994       45,000       178,000       223,000         1995       240,000       110,000       400,000       750,000         1993       11,566,000       973,000       328,000       830,000       13,697,000         1994       11,798,000       1,009,000       844,000       1,620,000       15,271,000         1995       16,718,000       816,500       875,000       1,642,500       60,000       20,112,000		1995				1,100,000		1,100,000	10.9
1994     45,000     178,000     223,000       1995     240,000     110,000     400,000     750,000       1993     11,566,000     973,000     328,000     830,000     13,697,000       1994     11,798,000     1,009,000     844,000     1,620,000     15,271,000       1995     16,718,000     816,500     875,000     1,642,500     60,000     20,112,000	OTHER	1993	33,000	33,000	36,000			102,000	11.5
1995     240,000     110,000     400,000     750,000       1993     11,566,000     973,000     328,000     830,000     13,697,000       1994     11,798,000     1,009,000     844,000     1,620,000     15,271,000       1995     16,718,000     816,500     875,000     1,642,500     60,000     20,112,000		1994	45,000		178,000			223,000	12.6
1993     11,566,000     973,000     328,000     830,000     13,697,000       1994     11,798,000     1,009,000     844,000     1,620,000     15,271,000       1995     16,718,000     816,500     875,000     1,642,500     60,000     20,112,000		1995	240,000	110,000	400,000			750,000	11.7
1994     11,798,000     1,009,000     844,000     1,620,000     15,271,000       1995     16,718,000     816,500     875,000     1,642,500     60,000     20,112,000	TOTAL	1993	11,566,000	973,000	328,000	830,000		13,697,000	11.5
16,718,000 816,500 875,000 1,642,500 60,000 20,112,000		1994	11,798,000	1,009,000	844,000	1,620,000		15,271,000	12.1
		1995	16,718,000	816,500	875,000	1,642,500		20,112,000	77.8

<sup>\*</sup> Crop year defined as July 1 to June 30

<sup>\*\*</sup> Includes Northwest

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Released: October 29, 1997

### Montana Malting Barley Utilized to Produce Malt--1996 Crop

Maltsters and brewers purchased 18.7 million bushels of Montana's 1996 barley crop to make malt, down 7 percent from the previous year. The average protein of the 1996 malting crop was 12.4 percent, compared with 11.8 percent for the 1995 crop.

Montana growers planted 1.3 million acres of barley in 1996, unchanged from the previous year. Of the total, about 577 thousand acres were planted to malting type varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley then approximately 22.9 million bushels of malting type would be produced. Since only 18.7 million bushels were used for malt the remaining 4.2 did not make the malting grade or exceeded demand for malting barley. The 1996 malt barley utilized represented 36 percent of the total 1996 barley crop compared with 32 percent in 1995 and 29 percent in 1994.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

Montana Agricultural Statistics
Peggy Stringer, State Statistician
Bill Mever, Agricultural Statistician

# MONTANA BARLEY USED TO PRODUCE MALT, 1994-96 CROPS

	IN CIAIL		0000					
	CROP 1/			DISTRICTS			STATE	111
VARIETY	YEAR	N. CENTRAL 2/	CENTRAL	SOUTHWEST	S CENTRAL SOUTHEAST 3/	AST 3/	BUSHELS	PROTEIN
KLAGES	1994	100,000		10,000			110,000	10.6
	1995	65,000		35,000			100,000	11.7
	1996	36,000		125,000			161,000	11.7
HARRINGTON	1994	5,094,000	763,000			_	5,857,000	12.5
	1995	9,404,000	624,000	140,000	60	60,000	10,228,000	11.6
	1996	6,897,000	950,000	345,000			8,192,000	12.6
MORAVIAN III	1994	285,000					285,000	10.7
	1995	500,000					500,000	10.5
	1996	503,000			49,000		552,000	11.6
MOREX	1994	755,000		469,000			1,224,000	12.4
	1995	500,000		300,000			800,000	12.1
	1996	185,000		375,000			560,000	12.7
AB VARIETIES	1994	5,519,000	246,000		500,000		6,265,000	12.1
	1995	6,009,000	82,500		542,500		6,634,000	12.1
	1996	6,200,000	450,000		515,000		7,165,000	12.5
GALENA	1994			187,000	1,120,000		1,307,000	10.7
	1995				1,100,000		1,100,000	10.9
	1996	569,000			1,164,000		1,733,000	11.4
OTHER	1994	45,000		178,000			223,000	12.6
	1995	240,000	110,000	400,000			750,000	11.7
	1996	199,000	50,000	106,000	(J)	5,000	360,000	12.4
TOTAL	1994	11,798,000	1,009,000	844,000	1,620,000		15,271,000	12.1
	1995	16,718,000	816,500	875,000	1,642,500 60		20,112,000	11.8
	1996	14,589,000	1,450,000	951,000	1,728,000 5	5,000	18,723,000	12.4
مرا المحاصة المحاصة		1 to 1 ino 30						

1/ Crop year defined as July 1 to June 30 2/ Includes Northwest 3/ Includes Northeast

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Released: October 2, 1998

### Montana Malting Barley Utilized to Produce Malt--1997 Crop

Maltsters and brewers purchased 23.8 million bushels of Montana's 1997 barley crop to make malt, 27 percent more than purchased the previous year. The average protein of the 1997 malting crop was 12.4 percent, which was the same as the 1996 crop. Last fall's lack of rain and frost provided growers a long harvest window that resulted in a great malt barley crop.

Montana growers planted 1.3 million acres of barley in 1997, unchanged from the previous year. Of the total, about 539,000 acres were planted to malting-type varieties approved by the American Malting Barley association. If the yield of malting varieties equaled the state average yield per planted acre for all barley then approximately 26.4 million bushels of malting barley were produced. Since only 23.8 million bushels were used for malt the remaining 2.6 million bushels did not make the malting grade or exceeded demand for malting barley. The 1997 barley utilized for malt represented 37 percent of barley production compared with 36 percent utilized in 1996 and 32 percent utilized for malt in 1995.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

Montana Agricultural Statistics
eggy Stringer, State Statistician
Steve Sakry, Agricultural Statistician

# MONTANA BARLEY USED TO PRODUCE MALT. 1995-97 CROPS

	MONI	MONTANA BAKEEY OVED TO PRODUCE MACI, 1995-9	JOED IOFF	CODUCE MAI	_I, 1995-9/ CROPS	CFU		
	CROP 1/			DISTRICTS			STATE	Ш
VARIETY	YEAR	N. CENTRAL 2/	CENTRAL	SOUTHWEST	S. CENTRAL SOUTHEAST 3.	THEAST 3/	BUSHELS	PROTEIN
KLAGES	1995	65,000		35,000			100,000	11.7
	1996	36,000		125,000			161,000	11.7
	1997						0	
HARRINGTON	1995	9,404,000	624,000	140,000		60,000	10,228,000	11.6
	1996	6,897,000	950,000	345,000			8,192,000	12.6
	1997	11,724,000	2,635,000	111,000	200,000		14,670,000	12.6
MORAVIAN III	1995	500,000					500,000	10.5
	1996	503,000			49,000		552,000	11.6
	1997	480,000					480,000	11.8
MOREX	1995	500,000		300,000			800,000	12.1
	1996	185,000		375,000			560,000	12.7
	1997	255,000	153,000	461,000	121,000		990,000	12.5
AB VARIETIES	1995	6,009,000	82,500		542,500		6,634,000	12.1
	1996	6,200,000	450,000		515,000		7,165,000	12.5
	1997	5,050,000	410,000		500,000		5,960,000	12.3
GALENA	1995		:		1,100,000		1,100,000	10.9
	1996	569,000			1,164,000		1,733,000	11.4
	1997	105,000			1,046,000		1,151,000	11.3
OTHER	1995	240,000	110,000	400,000			750,000	11.7
	1996	199,000	50,000	106,000		5,000	360,000	12.4
	1997	369,000	106,000	64,000		5,000	544,000	12.1
TOTAL	1995	16,718,000	816,500	875,000	1,642,500	60,000	20,112,000	11.8
	1996	14,589,000	1,450,000	951,000	1,728,000	5,000	18,723,000	12.4
	1997	17,983,000	3,304,000	636,000	1,867,000	5,000	23,795,000	12.4
1/ Cron year d	efined as	1/ Cron year defined as July 1 to June 30						

<sup>1/</sup> Crop year defined as July 1 to June 30 2/ Includes Northwest 3/ Includes Northeast

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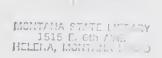
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Released: October 25, 1999

### Maltsters and Brewers Purchased 17.9 Million Bushels of the 1998 Barley Crop

Maltsters and brewers purchased 17.9 million bushels of Montana's 1998 barley crop to make malt, down nearly 25 percent from 1997 and down 4 percent from the 1996 crop year, according to a recent survey conducted by the Montana Agricultural Statistics Service. The survey was requested and funded by the Montana Wheat and Barley Committee. The average protein of the 1998 malting crop was 12.6 percent, compared with 12.4 percent for the 1997 crop.

Montana growers planted 1.35 million acres of barley in 1998, up 100,000 acres from 1997. Of the total, about 690 thousand acres were planted to malting type varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley then approximately 33.0 million bushels of malting type would be produced. Since only 17.9 million bushels were used for malt the remaining 15.1 did not make the malting grade or exceeded demand for malting barley. The malt barley utilized represented over 31 percent of the 1998 total barley crop compared with 39 percent in 1997 and 38 percent in 1996.

Harrington was the variety most frequently purchased by Maltsters and brewers and represented 63 percent of the total purchases. Anheuser Bush varieties were the second most commonly purchased. Sixty-six percent of all malt barley purchased was grown in North Central Montana. Central Montana growers produced 19 percent of the total.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

Montana Agricultural Statistics
Peggy Stringer, State Statistician
Steve Sakry, Agricultural Statistician

### Montana Barley Used to Produce Malt, 1996-98 Crops

1100	1998 11,869,500 3,3	1997 17,983,000 3,3	TOTAL 1996 14,589,000 1,4	1998 37,500	369,000	OTHER 1996 235,000	1998 230,000	1997 255,000 1	MOREX 1996 185,000	1998	1997	MORAVIAN 22 1996	8661	1997 480,000	MORAVIAN III   1996   503,000	1998 8,095,000 2,4	1997   11,724,000 2,6	HARRINGTON 1996   6,897,000 9	1998 620,000	1997 105,000	GALENA 1996 569,000		BUSCH 1997 5,050,000 4	ANHEUSER- 1996 6,200,000 4	YEAR 1/	VARIETY CROP	Montana Barley Used to Produce Malt, 1996-98 Crops
2/ Includes Northwest . 3/	3,362,000 986,000	3,304,000 636,000	1,450,000 951,000	46,000	106,000 64,000	50,000 231,000	400,000	153,000 461,000	375,000							2,429,000 540,000	2,635,000 111,000	950,000 345,000				933,000	410,000	450,000	N. CENTRAL 2/ CENTRAL SOUTHWEST S. CENTRAL SOU	DISTRICTS	Crops
3/ Includes Northeast.	1,695,000	1,867,000 5,0	1,728,000 5,0	20,000	5,0	5,0		121,000		675,000				-	49,000	285,000	200,000		305,000	1,046,000	1,164,000	410,000	500,000	515,000			
	17,912,500	5,000 23,795,000	5,000 18,723,000			5,000 521,000	630,000	990,000	560,000	675,000				480,000	552,000	11,349,000	14,670,000	8,192,000	925,000	1,151,000	1,733,000	4,230,000	5,960,000	7,165,000	THEAST 3/ BUSHELS PROTEIN	STATE	
	12.6	12.4	12.4	12.6	12.1	12.2	13.2	12.5	12.7	11.1				11.8	11.6	12.8	12.6	12.6	11.0	11.3	11.4	12.5	12.3	12.5	OTEIN	(1)	

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1999 Crop

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Released: September 25, 2000

### Maltsters and Brewers Purchased 19.4 Million Bushels of the 1999 Barley Crop

Maltsters and brewers purchased 19.4 million bushels of Montana's 1999 barley crop to make malt, up 8 percent from 1998, but down nearly 19 percent from the 1997 crop year, according to a recent survey conducted by the Montana Agricultural Statistics Service. The survey was requested and funded by the Montana Wheat and Barley Committee. The average protein of the 1999 malting crop was 12.6 percent, which is the same average protein obtained from the 1998 crop.

Montana growers planted 1.30 million acres of barley in 1999, down 50,000 acres from 1998. Of the total, about 780,000 acres were planted to malting type varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley, then approximately 34.5 million bushels of malting type would be produced. Since only 19.4 million bushels were used for malt, the remaining 15.1 did not make the malting grade or exceeded demand for malting barley. The barley utilized for malt represented nearly 34 percent of the 1999 total barley crop compared with 31 percent in 1998 and 39 percent in 1997.

Harrington was the variety most frequently purchased by Maltsters and brewers and represented 52 percent of the total purchases. Anheuser Busch varieties were the second most commonly purchased. Seventy-six percent of all malt barley purchased was grown in North Central Montana. South Central Montana growers produced nearly 13 percent of the total.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

Montana Agricultural Statistics
Peggy Stringer, State Statistician
Darin Jantzi, Agricultural Statistician

MONTANA BARLEY USED TO PRODUCE MALT, 1997-99 CROPS

MONIANA BANCET OSED TO FRODUCE MACT, 1997-99 CROPS	ו חסבט ו	O PRODUCE IVI	ALI, 1997-99 (	エロアグ				
VARIETY	CROP 1/			DISTRICTS			STATE	TE
	YEAR	N. Central 2/	Central	Southwest	S. Central	Southeast 3/	Bushels	Protein
ANHEUSER-	1997	5,050,000	410,000		500,000		5.960.000	12.3
BUSCH	1998	2,887,000	933,000		410,000		4,230,000	12.5
VARIETIES	1999	5,345,000	645,000		500,000		6,490,000	12.6
GALENA	1997	105,000			1,046,000		1,151,000	11.3
	1998	620,000			305,000		925,000	11.0
	1999	680,000					680,000	11.4
HARRINGTON	1997	11,724,000	2,635,000	111,000	200,000		14,670,000	12.6
	1998	8,095,000	2,429,000	540,000	285,000		11,349,000	12.8
	1999	8,434,000	1,020,000	173,000	500,000		10,127,000	12.9
MORAVIAN III	1997	480,000					480,000	11.8
	1998							
	1000							
MORAVIAN 22	1997							
	1998				675,000		675,000	11.1
	1999	112,400			1,425,000		1,537,400	11.3
MOREX	1997	255,000	153,000	461,000	121,000		990,000	12.5
	1998	230,000		400,000			630,000	13.2
	1999	196,000	295,700				491,700	12.7
OTHER	1997	369,000	106,000	64,000		5,000	544,000	12.1
	1998	37,500		46,000	20,000		103,500	12.6
	1999	48,100	15,700				63,800	12.1
TOTAL	1997	17,983,000	3,304,000	636,000	1,867,000	5,000	23,795,000	12.4
	1998	11,869,500	3,362,000	986,000	1,695,000		17,912,500	12.6
	1999	14,815,500	1,976,400	173,000	2,425,000		19,389,900	12.6
1/ Crop year defined as July 1 to June 30	ed as July	1 to June 30						
3/ Includes Northeast	act Cort							

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Released: September 25, 2001

### Maltsters and Brewers Purchased 13.1 Million Bushels of the 2000 Barley Crop

Maltsters and brewers purchased 13.1 million bushels of Montana's 2000 barley crop to make malt, down 33 percent from 1999, according to a recent survey conducted by the Montana Agricultural Statistics Service. The survey was requested and funded by the Montana Wheat and Barley Committee. The average protein of the 2000 malting crop was 12.4 percent, which is 0.2 percent less than the average protein obtained from the 1999 crop.

Montana growers planted 1.25 million acres of barley in 2000, down 50,000 acres from 1999. Of the total, over 823,000 acres were planted to malting type varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley, then approximately 25.0 million bushels of malting type would have been produced. Since only 13.1 million bushels were used for malt, the remaining 11.9 did not make the malting grade or exceeded demand for malting barley. The barley utilized for malt represented approximately 34 percent of the 2000 total barley crop compared with 34 percent in 1999 and 31 percent in 1998.

Anheuser Busch varieties were the most frequently purchased by maltsters and brewers and represented 42.4 percent of the total purchases. Harrington varieties were the second most commonly purchased. Seventy-one percent of all malt barley purchased was grown in North Central Montana. South Central Montana growers produced over 19 percent of the total.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

MONTANA BARLEY USED TO PRODUCE MALT, 1998-2000 CROPS

			71, 1350 2000 0101	O TOTAL				
VARIETY	CHOP 1/			DISTRICTS			STATE	TE
	YEAR	N. Central 2/	Central	Southwest	S. Central	Southeast 3/	Bushels	Protein
ANHEUSER-	1998	2,887,000	933,000		410,000		4,230,000	12.5
BUSCH	1999	5,345,000	645,000		200,000		6,490,000	12.6
VARIETIES	2000	4,615,000	390,000		530,000		5,535,000	12.2
GALENA	1998	620,000			305,000		925,000	11.0
	1999	000'089					680,000	11.4
	2000	108,000					108,000	12.6
HARRINGTON	1998	8,095,000	2,429,000	540,000	285,000		11,349,000	12.8
	1999	8,434,000	1,020,000	173,000	500,000		10,127,000	12.9
	2000	4,272,800	325,700	237,600	366,000	28,600	5,230,700	12.8
MORAVIAN 22	1998				675,000		675,000	11.1
	1999	112,400			1,425,000		1,537,400	11.3
	2000				1,625,000		1,625,000	11.6
MORAVIAN 37	1998							
	1999							
	2000	120,000					120,000	12.6
MOREX	1998	230,000		400,000			630,000	13.2
	1999	196,000	295,700				491,700	12.7
	2000	80,700		337,400			418,100	12.6
OTHER	1998	37,500		46,000	20,000		103,500	12.6
	1999	48,100	15,700				63,800	12.1
	2000	16,200					16,200	13.2
TOTAL	1998	11,869,500	3,362,000	986,000	1,695,000		17,912,500	12.6
	1999	14,815,500	1,976,400	173,000	2,425,000		19,389,900	12.6
	2000	9,212,700	715,700	575,000	2,521,000	28,600	13,053,000	12.4
1/ Crop year defined as July 1 to June 30	ed as July	1 to June 30						
	vest							
3/ Includes Northeast	ast							

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Released: September 25, 2002

### Maltsters and Brewers Purchased 7.5 Million Bushels of the 2001 Barley Crop

Maltsters and brewers purchased 7.5 million bushels of Montana's 2001 barley crop to make malt, down 42 percent from 2000, according to a recent survey conducted by the Montana Agricultural Statistics Service. The survey was requested and funded by the Montana Wheat and Barley Committee. The average protein of the 2001 malting crop was 12.2 percent, which is 0.2 point less than the average protein obtained from the 2000 crop.

Montana growers seeded 1.10 million acres of barley in 2001, down 150,000 acres from 2000. Of the total, over 650,000 acres were seeded to malting type varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley, then approximately 17.4 million bushels of malting type would have been produced. Because only 7.5 million bushels were used for malt, the remaining 9.9 million bushels did not make the malting grade or exceeded demand for malting barley. The barley utilized for malt represented approximately 26 percent of the 2001 total barley crop compared with 34 percent in both 2000 and 1999.

Anheuser Busch varieties were the most frequently purchased by maltsters and brewers and represented 46.3 percent of the total purchases. Harrington varieties were the second most commonly purchased. Seventy-one percent of all malt barley purchased was grown in North Central Montana. South Central Montana growers produced over 17 percent of the total.

This survey was requested and funded by the Montana Wheat and Barley Committee.

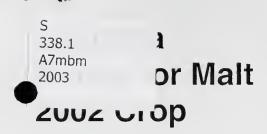
Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

Montana Agricultural Statistics
Peggy Stringer, State Statistician
John Gibbons, Agricultural Statistician

MONTANA BARLEY USED TO PRODUCE MALT. 1999-2001 CROPS

MICHIANA BARLET USED TO PRODUCE MALT, 1999-2001 CROPS	ET USED	O PRODUCE IN	ALI, 1999-200	CHORO				
VADICTV	CROP 1/			DISTRICTS			STATE	TE
י אוראי	YEAR	N. Central 2/	Central	Southwest	S. Central	Southeast 3/	Bushels	Protein
ANHEUSER-	1999	5,345,000	645,000		500,000		6,490,000	12.6
BUSCH	2000	4,615,000	390,000		530,000		5,535,000	12.2
VARIETIES	2001	3,490,000					3,490,000	12.0
GALENA	1999	680,000					680,000	11.4
	2000	108,000					108,000	12.6
	2001							
HARRINGTON	1999	8,434,000	1,020,000	173,000	500,000		10,127,000	12.9
	2000	4,272,800	325,700	237,600	366,000	28,600	5,230,700	12.8
	2001	1,785,000	169,000	372,000	125,000	17,000	2,468,000	12.7
MORAVIAN 22	1999	112,400			1,425,000		1,537,400	11.3
	2000				1,625,000		1,625,000	11.6
	2001							
MORAVIAN 37	1999							
	2000	120,000					120,000	12.6
	2001		75,000		1,220,000		1,295,000	11.8
MOREX	1999	196,000	295,700				491,700	12.7
	2000	80,700		337,400			418,100	12.6
	2001		30,000	134,000			164,000	11.8
OTHER	1999	48,100	15,700	,			63,800	12.1
	2000	16,200					16,200	13.2
	2001	71,000	27,000	23,000			121,000	13.1
TOTAL	1999	14,815,500	1,976,400	173,000	2,425,000		19,389,900	12.6
	2000	9,212,700	715,700	575,000	2,521,000	28,600	13,053,000	12.4
	2001	5,346,000	301,000	529,000	1,345,000	17,000	7,538,000	12.2
1/ Crop year defined as July 1 to June 30	ed as July	1 to June 30						

1/ Crop year defined as July 1 to June 302/ Includes Northwest3/ Includes Northeast



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Released: September 19, 2003

### Maltsters and Brewers Purchased 9.3 Million Bushels of the 2002 Barley Crop

Maltsters and brewers purchased 9.3 million bushels of Montana's 2002 barley crop to make malt, up 23 percent from 2001, according to a recent survey conducted by the Montana Agricultural Statistics Service. The survey was requested and funded by the Montana Wheat and Barley Committee. The average protein of the 2002 malting crop was 13.0 percent, which is 0.8 point more than the average protein of the 2001 crop.

Montana growers seeded 1.20 million acres of barley in 2002, up 100,000 acres from 2001. Of the total, over 740,000 acres were seeded to malting type varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley, then approximately 24.6 million bushels of malting type would have been produced. Because only 9.3 million bushels were used for malt, the remaining 15.3 million bushels did not make malting grade or exceeded demand for malting barley. The barley utilized for malt represented approximately 23 percent of the 2002 total barley crop, compared with 26 and 34 percent in 2001 and 2000, respectively.

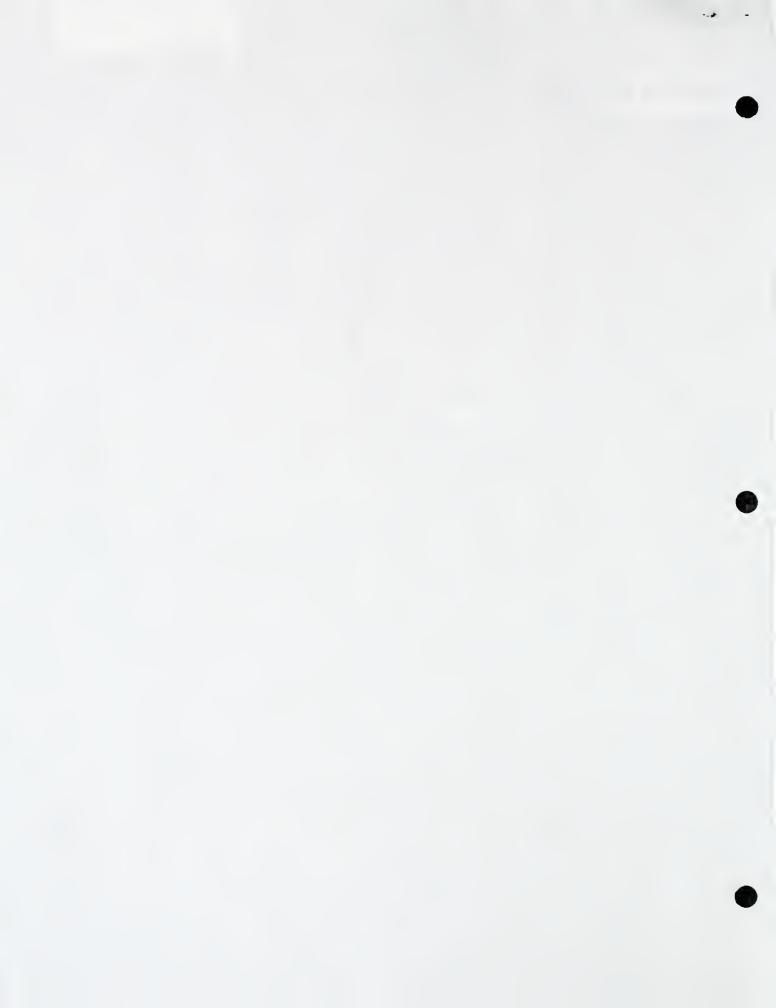
Harrington was the most frequently purchased variety by maltsters and brewers and represented 37 percent of the total purchases. Anheuser-Busch varieties, at 36 percent of total, were the second most commonly purchased. Fifty-eight percent of all malt barley purchased was grown in north central Montana, compared to 71 percent last year. South central Montana growers produced 23 percent of the total.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

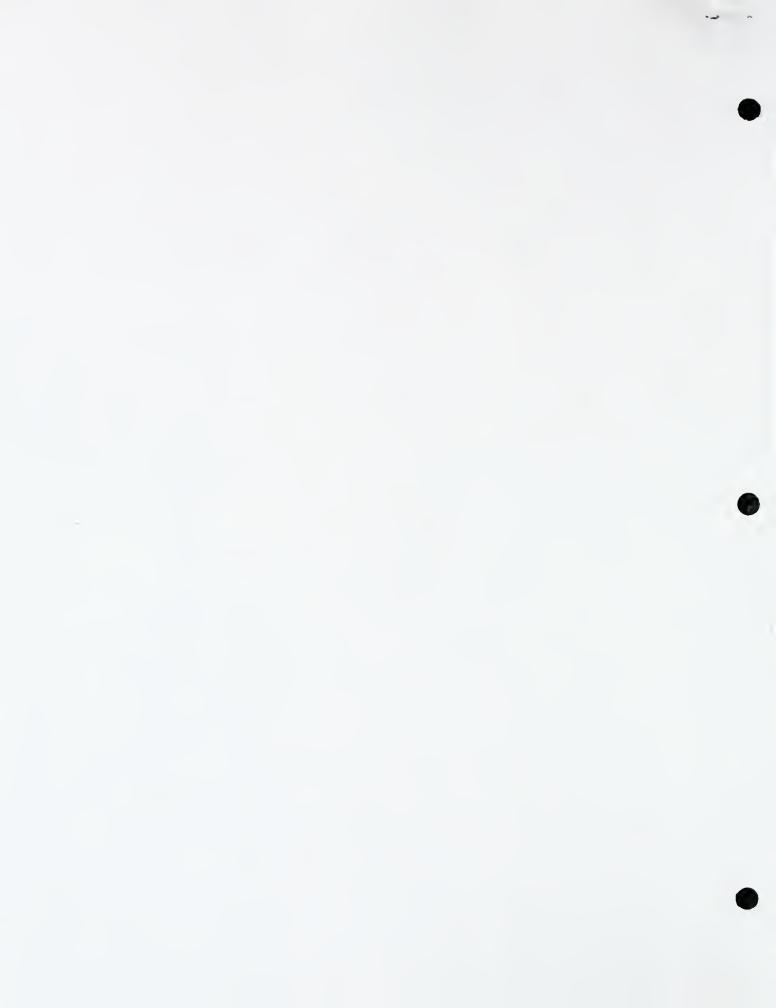
Montana Agricultural Statistics Service Peggy Stringer, State Statistician John Gibbons, Agricultural Statistician Montana Department of Agriculture Ralph Peck, Director

Montana Wheat & Barley Committee
Daniel Kidd, Chairman



MONTANA BABI EV BUBCHASED TO BRODIUCE MAIT 2000-2002 CBOPS

MONIANA BARLEY PURCHASED TO PRODUCE MALT, 2000-2002 CROPS	アンカンド	ASED IO PROL	JUCE MALI, 20	00-2002 CROF	2			
VETICAL	CROP 1/			DISTRICTS			STATE	TE
VARIELY	YEAR	N. Central 2/	Central	Southwest	S. Central	Southeast 3/	Bushels	Protein 4/
ANHEUSER-	2000	4,615,000	390,000		530,000		5,535,000	12.2
BUSCH	2001	3,490,000					3,490,000	12.0
VARIETIES	2002	2,105,000	919,000		306,000		3,330,000	12.8
GALENA	2000	108,000					108,000	12.6
	2001							
	2002							
HARRINGTON	2000	4,272,800	325,700	237,600	366,000	28,600	5,230,700	12.8
	2001	1,785,000	169,000	372,000	125,000	17,000	2,468,000	12.7
	2002	2,692,000	548,000	196,000			3,436,000	13.3
MORAVIAN 22	2000				1,625,000		1,625,000	11.6
	2001							
	2002							
MORAVIAN 37	2000	120,000					120,000	12.6
	2001		75,000		1,220,000		1,295,000	11.8
	2002	617,000			1,790,000	88,000	2,495,000	12.8
MOREX	2000	80,700		337,400			418,100	12.6
	2001		30,000	134,000			164,000	11.8
	2002							
OTHER	2000	16,200					16,200	13.2
	2001	71,000	27,000	23,000			121,000	13.1
	2002			28,000			28,000	11.8
TOTAL	2000	9,212,700	715,700	575,000	2,521,000	28,600	13,053,000	12.4
	2001	5,346,000	301,000	529,000	1,345,000		7,538,000	12.2
	2002	5,414,000	1,467,000	224,000	2,096,000	88,000	9,289,000	13.0
1/ Crop year defined as July 1 to June 30.	ed as July		2/ Includes Northwest.		3/ Includes Northeast. 4/	4/ Computed prior to rounding purchases.	r to rounding p	urchases.



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Released: September 30, 2004

### Maltsters and Brewers Purchased 14.8 Million Bushels of the 2003 Barley Crop

Maltsters and brewers purchased 14.8 million bushels of Montana's 2003 barley crop to make malt, up 59 percent from 2002, according to a recent survey conducted by the Montana Agricultural Statistics Service. The survey was requested and funded by the Montana Wheat and Barley Committee. The average protein of the 2003 malting crop was 12.2 percent, which is 0.8 point lower than the average protein of the 2002 crop.

Montana growers seeded 1.15 million acres of barley in 2003, down 30,000 acres from 2002. Of the total, over 719,000 acres were seeded to malting type varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley, then approximately 21.3 million bushels of malting type would have been produced. Because only 14.8 million bushels were used for malt, the remaining 6.5 million bushels did not make malting grade or exceeded demand for malting barley. The barley utilized for malt represented approximately 47 percent of the 2003 total barley crop, compared with 24 and 26 percent in 2002 and 2001, respectively.

Harrington was the most frequently purchased variety by maltsters and brewers and represented 41 percent of the total purchases. Anheuser-Busch varieties, at 37 percent of total, were the second most commonly purchased. Sixty-eight percent of all malt barley purchased was grown in north central Montana, compared to 58 percent last year. South central Montana growers produced 19 percent of the total.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain elevators who cooperated in furnishing data.

Montana Agricultural Statistics Service Peggy Stringer, Director Christel Pachl, Agricultural Statistician Montana Department of Agriculture Ralph Peck, Director

Montana Wheat & Barley Committee Daniel Kidd, Chairman MONTANA BARLEY PURCHASED TO PRODUCE MALT, 2001-2003 CROPS

	CROP 1/			DISTRICTS			STATE	TE
VARIETY	YEAR	N. Central 2/	Central	Southwest	S. Central	Southeast 3/	Bushels	Protein 4/
ANHEUSER-	2001	3,490,000					3,490,000	12.0
BUSCH	2002	2,105,000	919,000		306,000		3,330,000	12.8
VARIETIES	2003	4,190,000	762,000		520,000		5,472,000	12.1
HARRINGTON	2001	1,785,000	169,000	372,000	125,000	17,000	2,468,000	12.7
	2002	2,692,000	548,000	196,000			3,436,000	13.3
	2003	5,424,000	217,000		126,000	000'06	5,857,000	12.7
LEGACY	2001							
	2002							
	2003	294,000	73,000			328,000	695,000	12.5
MORAVIAN 37	2001		75,000		1,220,000		1,295,000	11.8
	2002	617,000			1,790,000	88,000	2,495,000	12.8
	2003	80,000			2,200,000	179,000	2,459,000	11.2
MOREX	2001		30,000	134,000			164,000	11.8
	2002							
	2003							
OTHER	2001	71,000	27,000	23,000			121,000	13.1
	2002			28,000			28,000	11.8
	2003					295,000	295,000	12.7
TOTAL	2001	5,346,000	301,000	529,000	1,345,000	17,000	7,538,000	12.2
	2002	5,414,000	1,467,000	224,000	2,096,000	88,000	9,289,000	13.0
	2003	9,988,000	1,052,000		2,846,000	892,000	14,778,000	12.2
1/ Crop year defined as July 1 to June 30.	ed as July		2/ Includes Northwest.	1 1	3/ Includes Northeast. 4	4/ Computed prior to rounding purchases	r to rounding p	urchases.

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Released: October 7, 2005

2004 Crop

### Maltsters and Brewers Purchased 19.7 Million Bushels of the 2004 Barley Crop

Maltsters and brewers purchased 19.7 million bushels of Montana's 2004 barley crop to make malt, up 33 percent from 2003, according to a recent survey conducted by the USDA, NASS-Montana Field Office. The survey was requested and funded by the Montana Wheat and Barley Committee. The average protein of the 2004 malting crop was 12.0 percent, which is 0.2 points lower than the average protein of the 2003 crop.

Montana growers seeded 1.00 million acres of barley in 2004, down 150,000 acres from 2003. Of the total, over 700,000 acres were seeded to malting type varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley, then approximately 34.3 million bushels of malting type would have been produced. Because only 19.7 million bushels were used for malt, the remaining 14.6 million bushels did not make malting grade or exceeded demand for malting barley. The barley utilized for malt represented approximately 40 percent of the 2004 total barley crop, compared with 43 and 24 percent in 2003 and 2002, respectively.

Harrington was the most frequently purchased variety by maltsters and brewers and represented 35 percent of the total purchases. Anheuser-Busch varieties, at 27 percent of total, were the second most commonly purchased. Fifty-two percent of all malt barley purchased was grown in North Central Montana, compared to 60 percent last year. South Central Montana growers produced 18 percent of the total.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain elevators who cooperated in furnishing data.

USDA, NASS-MT Field Office Peggy Stringer, Director Christel Pachl, Agricultural Statistician

Montana Department of Agriculture Nancy K. Peterson, Director

Montana Wheat & Barley Committee Kimberly Falcon, Executive Vice President

MONTANA BARLEY PURCHASED TO PRODUCE MALT, 2002-2004 CROPS

NOM	D ANA D	ANCE I L	JACHASE TACHASE	טאין טון טו	MONIANA BARLET PORCHASED TO PRODUCE MAET, 2002-2004 Chor	-1, 2002-2	1015 too	2		
	7,000			DISTI	DISTRICTS				STATE	
VARIETY	YEAR	N. Central	Northeast	Central	S. Central	Southeast	Southwest 2/	Bushels	% Protein 3/	% Plump 3/
ANHEUSER- BUSCH VARIETIES	2002 2003 2004	2,105,000 4,190,000 3,985,000		919,000 762,000 790,000	306,000 520,000 426,000		25,000	3,330,000 5,472,000 5,226,000	12.8	86
HARRINGTON	2002 2003 2004	2,692,000 4,336,000 4,987,000	81,000	548,000 217,000 1,045,000	126,000	000'6	1,088,000	3,436,000 5,857,000 6,845,000	13.3 12.7 12.0	84
LEGACY	2002 2003 2004	294,000	295,000	73,000		33,000		695,000	12.5	78
METCALFE	2002 2003 2004	510,000		145,000				655,000	11.6	84
MORAVIAN 37	2002 2003 2004	617,000 80,000 442,000	88,000 120,000		1,790,000 2,200,000 2,348,000	29,000		2,495,000 2,459,000 2,790,000	12.8 11.2 11.3	92
TRADITION	2002 2003 2004	210,000	1,000,000	000'06	· · · · · ·	750,000		2,050,000	12.9	77
ОТНЕК	2002 2003 2004	5,000			53,000	295,000	28,000	28,000 295,000 133,000	11.8	93
TOTAL	2002 2003 2004	5,414,000 8,900,000 10,329,000	88,000 496,000 2,593,000	1,467,000 1,052,000 2,125,000	2,096,000 2,846,000 3,447,000	396,000	224,000 1,088,000 100,000	9,289,000 14,778,000 19,694,000	13.0 12.2 12.0	84
1/ Crop year defined as July 1 to June 30. 2/ Includes	e 30. 2/ In		west. 3/ Co	mputed prior	Northwest. 3/ Computed prior to rounding purchases	ırchases.				



Released: September 12, 2006



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### Maltsters and Brewers Purchased 22.5 Million Bushels of the 2005 Barley Crop

Maltsters and brewers purchased 22.5 million bushels of Montana's 2005 barley crop to make malt, up 14 percent from 2004 and up 52 percent from the 2003 crop year, according to a recent survey conducted by the USDA, NASS, Montana Field Office. The survey was requested and funded by the Montana Wheat and Barley Committee. The average protein of the 2005 malting crop was 12.2 percent, which is 0.2 points higher than the average protein of the 2004 crop. Average plumpness increased 2 percent from the 2004 crop to 86 percent.

Montana growers planted 900,000 acres of barley in 2005, down 100,000 acres from 2004. Of the total, 515,000 acres were planted to malting barley varieties. The malt barley utilized represented 57 percent of the 2005 total barley crop, compared with 40 percent in 2004 and 43 percent utilized in 2003.

Anheuser-Busch varieties were the most frequently purchased by maltsters and brewers and represented 41 percent of the total purchases. Harrington and Metcalfe were also commonly purchased varieties at 28 percent and 17 percent, respectively. Sixty-five percent of all malt barley purchased was grown in North Central Montana. Northeast Montana growers produced 15 percent of the total, and South Central growers accounted for 10 percent of the malt barley total.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain elevators who cooperated in furnishing data.

USDA, NASS, Montana Field Office Peggy Stringer, Director Lindsey Houska, Agricultural Statistician Montana Department of Agriculture Nancy K. Peterson, Director

Montana Wheat & Barley Committee Kimberly Falcon, Executive Vice President

MONTANA BARI EY PLIRCHASED TO PRODUCE MALT 2003-2005 CROPS

NO IN THE REAL PROPERTY OF THE	MON LANA BANEL	WEET FOR	מושטבות	LINODOCL	ואותרו, בטט	TONOLINGED TO THOUGH MALL, 2003-2003 GIVEN			
	0000			DISTRICTS			,	STATE	
VARIETY	YEAR 1/	N. Central	Northeast 2/	Central	S. Central	Southwest 3/	Bushels	% Protein % Plump 4/	% Plump 4/
ANHEUSER-BUSCH VARIETIES 5/	2003	4,484,000	328,000	835,000	520,000		6,167,000	12.3	
	2004	4,385,000	3,500,000	935,000	426,000	25,000	9,271,000	12.3	82
	2005	4,920,000	2,879,000	888,000	541,000	54,000	9,282,000	12.2	84
HARRINGTON	2003	4,336,000	90,000	217,000	126,000	1,088,000	5,857,000	12.7	
	2004	4,987,000	_	1,045,000	620,000		6,845,000	12.0	84
	2005	5,136,000	134,000	646,000	25,000	322,000	6,263,000	12.4	98
METCALFE	2003								
	2004	510,000		145,000			655,000	11.6	84
	2002	3,384,000	29,000	366,000			3,779,000	12.0	87
MORAVIAN 37	2003	80,000	179,000		2,200,000		2,459,000	11.2	
	2004	442,000			2,348,000		2,790,000	11.3	92
	2005	505,000			1,588,000		2,093,000	11.9	92
CONRAD	2003								
	2004			_					
	2005	394,000		70,000			464,000	12.0	94
OTHER	2003		295,000				295,000	12.7	
	2004	5,000			53,000	75,000	133,000	11.1	88
	2005	200,000	359,000			10,000	569,000	12.6	88
TOTAL	2003	8,900,000	892,000	1,052,000	2,846,000	1,088,000	14,778,000	12.2	
	2004	10,329,000	3,693,000	2,125,000	3,447,000	100,000	19,694,000	12.0	84
	2005	14,539,000	3,401,000	1,970,000	2,154,000	386,000	22,450,000	12.2	86
17 Crop year defined as July 1 to June 30 - 2/ Includes Southeast	30 2/ Incl	seathing Solutheas	t 3/ Includes Northwest		Computed prin	4/Committed prior to rounding purchases	rchases		

1/ Crop year defined as July 1 to June 30. 2/ Includes Southeast. 3/ Includes Northwest. 4/Computed prior to rounding purchases. 5/ Includes Merit, B1202, Legacy, and Tradition Varieties.



### United States Department of Agriculture National Agricultural Statistics Service

### Montana Barley for Malt 2006 Crop



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Released: October 2, 2007

### Maltsters and Brewers Purchased 21.5 Million Bushels of the 2006 Montana Barley Crop

Maltsters and brewers purchased 21.5 million bushels of Montana's 2006 barley crop to make malt, down 4 percent from 2005 and up 9 percent from the 2004 crop year, according to a recent survey conducted by the USDA, NASS, Montana Field Office. The survey was requested and funded by the Montana Wheat and Barley Committee. The average protein of the 2006 malting crop was 12.3 percent, which is 0.1 points higher than the average protein of the 2005 crop. Average plumpness decreased 2 percentage points from the 2005 crop to 84 percent.

Montana growers planted 770,000 acres of barley in 2006, down 130,000 acres from 2005. Of the total, approximately 486,000 acres were planted to malting barley varieties. The malt barley utilized represented 69 percent of the 2006 total barley crop, compared with 57 percent in 2005 and 40 percent utilized in 2004.

Harrington was the most frequently purchased variety by maltsters and brewers this year. Harrington accounted for 38 percent of the total purchases. Metcalfe, Merit, and Tradition were also commonly purchased varieties at 21 percent, 12 percent, and 10 percent of the total, respectively. Forty-eight percent of all malt barley purchased was grown in North Central Montana compared with 65 percent of the previous year's crop and 52 percent of the 2004 crop. Twenty-one percent was purchased from Central Montana growers, and 14 percent of the total was purchased from the Northeast district.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain elevators who cooperated in furnishing data.

USDA, NASS, Montana Field Office Peggy Stringer, Director Lindsey Houska, Mathematical Statistician Montana Department of Agriculture Ron de Yong, Director

Montana Wheat & Barley Committee Kimberly Falcon, Executive Vice President

STATE PUBLICATIONS COLLECTION

OCT 115 2007

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# MONTANA BARLEY PURCHASED TO PRODUCE MALT, 2004-2006 CROPS

1/1         N. Central         Northeast 2/         Central         S. Central         Southwest 3/         Bushels           4,987,000         133,000         1,045,000         52,000         322,000         6,845,000           5,136,000         24,000         2,4000         340,000         322,000         6,500           3,384,000         29,000         1,254,000         340,000         381,000         4,465,000           2,830,000         29,000         1,254,000         62,000         14,000         2,862,000           2,250,000         3,384,000         29,000         408,000         62,000         14,000         2,862,000           2,10,000         1,750,000         90,000         115,000         14,000         2,862,000           2,162,000         1,750,000         90,000         115,000         1,446,000         2,650,000           2,162,000         1,744,000         12,000         1,588,000         1,456,000         2,690,000           394,000         1,775,000         2,348,000         2,790,000         2,690,000         1,691,000         2,162,000           190,000         1,775,000         1,691,000         1,691,000         1,691,000         2,093,000         1,440,000         2,093,000		000			DISTRICTS			S	STATE	
2004         4,987,000         193,000         1,045,000         620,000         620,000         65,800           2005         5,136,000         24,000         24,000         24,000         25,000         322,000         6,845,000           2006         3,384,000         24,000         24,800,000         340,000         25,000         327,000         65,65,000           2005         2,830,000         29,000         1,254,000         62,000         37,79,000         3,779,000           2005         2,830,000         29,000         408,000         76,000         14,000         2,662,000           2005         1,822,000         408,000         76,000         14,000         2,662,000           2004         2,10,000         1,250,000         11,000         1,446,000         2,600,000           2004         2,10,000         1,444,000         12,000         14,000         2,600,000           2005         2,162,000         2,162,000         2,162,000         2,162,000         2,162,000           2006         2,162,000         2,20,000         1,400         1,456,000         2,162,000           2007         2,162,000         2,238,000         2,238,000         2,162,000         2,162,000	VARIETY	YEAR 1/	N. Central	Northeast 2/	Central	S. Central	Southwest 3/		% Protein 4/	% Plump 4/
2005         5,136,000         134,000         24,000         25,000         322,000         6,283,000           2006         4,761,000         24,000         24,000         340,000         524,000         61,283,000           2004         513,000         384,000         365,000         3779,000         3779,000           2006         2,830,000         350,000         4465,000         3779,000           2006         2,830,000         350,000         4465,000         3779,000           2006         1,822,000         1,750,000         513,000         115,000         14,000         2,562,000           2004         2,162,000         513,000         115,000         14,400         2,562,000           2004         2,10,000         1,444,000         12,000         1,445,000         2,162,000           2004         2,162,000         22,000         1,588,000         2,162,000           2004         2,162,000         2,348,000         1,697,000           2005         394,000         1,588,000         2,348,000           2006         2,162,000         2,20,000         1,697,000           2007         19,000         1,697,000         2,030,000           2006	HARRINGTON	2004	4,987,000	193,000	1,045,000	620,000		6,845,000	12.0	84
2006         4,761,000         24,000         2,480,000         340,000         524,000         8,129,000           2004         3,384,000         29,000         1,45,000         3,40,000         3,779,000           2005         2,830,000         3,884,000         29,000         408,000         76,000         14,000         2,662,000           2006         2,330,000         350,000         62,000         14,000         2,880,000           2006         1,822,000         1,750,000         90,000         115,000         14,000         2,560,000           2006         1,822,000         1,744,000         12,000         12,000         14,65,000         2,560,000           2006         1,822,000         1,744,000         12,000         14,000         2,560,000           2006         1,822,000         1,744,000         12,000         14,650,000         14,650,000           2007         2,162,000         1,238,000         2,348,000         2,162,000         1,697,000           2006         394,000         1,756,000         2,348,000         2,780,000         2,790,000           2006         1,740,000         2,348,000         2,780,000         2,790,000           2007         1,740,000 </td <td></td> <td>2005</td> <td>5,136,000</td> <td>134,000</td> <td>646,000</td> <td>25,000</td> <td></td> <td>6,263,000</td> <td>12.4</td> <td>98</td>		2005	5,136,000	134,000	646,000	25,000		6,263,000	12.4	98
2004         510,000         29,000         145,000         381,000         3779,000           2006         2,830,000         360,000         381,000         3779,000           2006         2,830,000         1,254,000         62,000         14,000         2,662,000           2006         2,310,000         408,000         76,000         14,000         2,662,000           2006         1,822,000         1,750,000         90,000         115,000         14,000         2,560,000           2005         2,162,000         1,200         11,500         1,500         1,456,000         1,456,000           2006         2,162,000         2,162,000         2,348,000         2,162,000         1,456,000           2006         777,000         2,348,000         2,162,000         1,697,000           2006         777,000         2,348,000         2,780,000           2006         1,750,000         2,348,000         2,790,000           2007         1,435,000         7,000         1,697,000           2006         1,740,000         3,447,000         1,442,000           2007         1,740,000         3,447,000         1,000,000           2006         1,239,000         2,154,000 <td></td> <td>2006</td> <td>4,761,000</td> <td>24,000</td> <td>2,480,000</td> <td>340,000</td> <td></td> <td>8,129,000</td> <td>12.7</td> <td>84</td>		2006	4,761,000	24,000	2,480,000	340,000		8,129,000	12.7	84
2005         3,384,000         29,000         366,000         381,000         4,465,000           2006         2,830,000         350,000         62,000         14,000         2,662,000           2006         1,822,000         1,750,000         408,000         76,000         14,000         2,550,000           2006         1,822,000         1,750,000         90,000         115,000         1,450,000         2,550,000           2007         2,162,000         12,000         12,000         1,440,000         2,550,000         2,550,000           2008         2,162,000         12,000         12,000         1,450,000         2,162,000           2009         2,162,000         12,000         1,450,000         2,162,000         2,162,000           2004         2,162,000         12,000         1,458,000         2,162,000         2,162,000           2005         2,000         2,162,000         2,348,000         2,790,000         2,162,000           2004         442,000         2,348,000         2,790,000         2,790,000           2005         505,000         1,440,000         1,440,000         1,440,000         1,440,000           2004         1,740,000         1,440,000         2,125,000 </td <td>METCALFE</td> <td>2004</td> <td>510,000</td> <td></td> <td>145,000</td> <td></td> <td></td> <td>655,000</td> <td>11.6</td> <td>84</td>	METCALFE	2004	510,000		145,000			655,000	11.6	84
2006         2,830,000         1,254,000         381,000         4,465,000           2004         2,250,000         350,000         62,000         14,000         2,662,000           2005         2,310,000         408,000         115,000         14,000         2,562,000           2006         1,822,000         1,750,000         90,000         115,000         1,446,000           2005         2,162,000         1,230         70,000         1,446,000         2,162,000           2005         2,162,000         2,2348,000         2,162,000         1,446,000           2006         777,000         2,2348,000         1,697,000           2006         2,348,000         2,780,000           2006         1,435,000         2,348,000         2,780,000           2006         1,435,000         2,348,000         2,780,000           2006         1,435,000         440,000         440,000         1,691,000           2007         1,750,000         55,000         1,442,000         2,697,000           2006         2,810,000         3,693,000         2,125,000         3,447,000         3,447,000           2006         2,910,000         2,910,000         2,946,000         3,447,000		2005	3,384,000		366,000			3,779,000	12.0	87
2004         2,250,000         350,000         62,000         14,000         2,662,000           2005         2,310,000         408,000         76,000         14,000         2,808,000           2004         2,10,000         1,750,000         90,000         15,000         1,456,000           2005         394,000         2,162,000         700,000         1,456,000         2,162,000           2006         777,000         220,000         700,000         1,697,000         1,456,000           2005         394,000         2,20,000         700,000         1,697,000         2,162,000           2006         777,000         220,000         700,000         1,697,000         1,697,000           2005         190,000         1,750,000         1,691,000         2,790,000           2006         1,740,000         55,000         1,691,000         2,693,000           2006         1,740,000         440,000         440,000         440,000         1,990,000           2006         2,100,000         2,125,000         3,417,000         2,600         1,445,000           2007         10,339,000         3,417,000         2,940,000         2,961,000         2,961,000           2007         2		2006	2,830,000				381,000	4,465,000	12.6	81
2005         2,310,000         408,000         76,000         14,000         2,808,000           2006         1,822,000         1,750,000         90,000         115,000         100,000         2,550,000           2005         2,162,000         12,000         1,440,000         1,444,000         1,446,000         1,456,000           2005         394,000         2,162,000         70,000         700,000         1,691,000         1,697,000           2005         377,000         2,348,000         2,790,000         2,790,000           2006         777,000         1,750,000         1,691,000         2,790,000           2007         1,740,000         1,750,000         2,348,000         2,790,000           2006         1,740,000         1,691,000         1,691,000           2006         1,740,000         440,000         1,691,000         1,995,000           2007         1,740,000         2,125,000         440,000         1,442,000         1,442,000           2006         2,810,000         3,693,000         2,125,000         445,000         2,145,000           2007         41,000         1,93,000         2,145,000         2,154,000         2,151,000           2006         10,231,00	MERIT	2004	2,250,000		350,000	62,000		2,662,000	11.5	84
2006         1,822,000         513,000         115,000         100,000         2,550,000           2004         210,000         1,750,000         90,000         1,456,000         2,050,000           2005         2,162,000         12,000         1,456,000         1,456,000         1,456,000           2004         394,000         2,162,000         70,000         70,000         1,697,000           2005         777,000         2220,000         700,000         1,697,000           2006         442,000         2,348,000         2,033,000           2006         505,000         1,750,000         2,348,000         2,033,000           2005         505,000         1,691,000         1,691,000         1,442,000           2006         1,740,000         55,000         1,691,000         1,442,000           2006         1,740,000         461,000         465,000         50,000         1,442,000           2006         2,810,000         359,000         461,000         3,447,000         1,445,000           2006         10,230,000         2,961,000         2,154,000         2,154,000         2,154,000           2006         10,231,000         2,961,000         3,447,000         1,970,000		2005	2,310,000		408,000	76,000		2,808,000	11.7	82
2004         210,000         1,750,000         90,000         2.050,000           2005         1,444,000         12,000         1,445,000         1,445,000           2006         394,000         70,000         700,000         1,456,000           2006         777,000         220,000         700,000         1,697,000           2006         442,000         1,750,000         2,348,000         2,790,000           2006         505,000         1,691,000         1,691,000           2006         1,740,000         55,000         1,442,000           2006         1,740,000         7,000         1,442,000           2006         672,000         7,000         1,442,000           2006         41,000         461,000         56,000         1,442,000           2007         100,000         2,897,000         1,445,000           2008         41,000         3,401,000         3,447,000         100,000         19,694,000           2006         10,231,000         2,961,000         2,846,000         2,450,000         2,450,000           2006         10,231,000         2,961,000         2,846,000         1,005,000         2,151,000           2006         10,231,000		2006	1,822,000		513,000	115,000		2,550,000	11.9	85
2005         1,444,000         12,000         1,456,000           2006         394,000         70,000         700,000         464,000           2006         777,000         2220,000         700,000         1,697,000           2007         442,000         2,348,000         2,790,000           2006         505,000         1,588,000         2,790,000           2007         1,750,000         1,691,000         2,093,000           2008         1,750,000         1,691,000         1,691,000           2008         1,740,000         1,750,000         1,691,000           2008         2,810,000         440,000         440,000           2004         1,740,000         440,000         417,000           2008         2,810,000         359,000         461,000         465,000           2008         10,329,000         3,401,000         2,125,000         50,000           2006         10,231,000         2,961,000         2,154,000         100,000           2006         10,231,000         2,154,000         2,154,000           2006         10,231,000         2,961,000         2,154,000         1,005,000           2005         1,000         2,154,000	TRADITION	2004	210,000	1,750,000	90,000			2,050,000	12.9	77
2006         2,162,000         70,000         700,000		2005		1,444,000	12,000			1,456,000	12.7	83
2004         394,000         70,000         700,000         700,000         464,000           2005         777,000         220,000         700,000         1,697,000           2004         442,000         2,348,000         2,790,000           2005         1,750,000         2,348,000         2,093,000           2006         1,750,000         7,000         1,691,000           2004         1,740,000         7,000         1,691,000           2005         2,810,000         440,000         417,000           2006         41,000         465,000         2,697,000           2005         2,810,000         3,593,000         465,000         50,000         4,145,000           2006         10,329,000         3,401,000         2,125,000         3,447,000         19,694,000           2005         11,231,000         2,961,000         2,465,000         2,450,000           2006         10,031,000         2,961,000         2,465,000         2,450,000           2007         11,231,000         2,961,000         2,846,000         2,450,000           2008         10,231,000         2,961,000         2,846,000         2,450,000           2008         10,032,000         2,9		2006		2,162,000				2,162,000	12.0	82
2005         394,000         70,000         700,000         464,000           2006         777,000         220,000         700,000         1,697,000           2004         442,000         2,348,000         2,790,000           2005         505,000         1,588,000         2,790,000           2006         1,740,000         7,000         1,691,000         1,442,000           2007         1,740,000         440,000         417,000         1,442,000           2008         2,810,000         359,000         461,000         465,000         50,000           2005         2,810,000         3,693,000         2,125,000         50,000         144,000           2006         10,329,000         3,401,000         1,970,000         2,154,000         100,000           2005         14,539,000         3,401,000         1,970,000         2,154,000         100,000           2006         10,231,000         2,961,000         4,467,000         1,005,000         21,510,000           2006         10,231,000         2,961,000         2,1846,000         1,005,000         21,510,000           2006         10,231,000         2,961,000         4,467,000         1,005,000         21,510,000	CONRAD	2004								
2006         777,000         220,000         700,000         1,697,000           2004         442,000         2,348,000         2,790,000           2005         505,000         1,588,000         2,790,000           2006         1,750,000         1,691,000         1,691,000           2006         1,740,000         1,750,000         1,691,000           2007         1,740,000         440,000         447,000           2006         2,810,000         359,000         461,000         465,000           2006         2,810,000         359,000         461,000         465,000         50,000           2006         10,329,000         3,401,000         1,970,000         2,154,000         19,694,000           2006         10,231,000         2,961,000         4,467,000         2,846,000         1,005,000         22,450,000           2006         10,231,000         2,961,000         4,467,000         2,846,000         1,005,000         21,510,000           2006         10,231,000         2,961,000         4,467,000         2,846,000         1,005,000         21,510,000           2006         10,231,000         2,961,000         4,467,000         2,846,000         1,005,000         21,510,000		2005	394,000		70,000			464,000	12.0	94
2004         442,000         2,348,000         2,348,000         2,790,000           2005         505,000         1,588,000         1,691,000         1,691,000           2006         1,740,000         1,750,000         55,000         1,691,000         1,995,000           2005         1,740,000         440,000         417,000         1,442,000         672,000           2006         2,810,000         359,000         461,000         465,000         2,697,000           2005         2,810,000         3,693,000         2,154,000         100,000         144,000           2006         14,539,000         3,401,000         1,970,000         2,154,000         100,000         19,694,000           2006         10,231,000         2,961,000         4,467,000         2,846,000         1,005,000         21,510,000           2006         10,231,000         2,961,000         2,846,000         1,005,000         21,510,000           2006         10,231,000         2,961,000         2,846,000         21,510,000         21,510,000           2007         10,231,000         2,961,000         2,846,000         21,510,000         21,510,000		2006	777,000		220,000	700,000		1,697,000	11.8	91
2005         505,000         1,588,000         2,093,000           2006         1,691,000         1,691,000         1,691,000           2004         190,000         1,750,000         7,000         1,495,000           2005         1,740,000         440,000         417,000         1,442,000           2006         2,810,000         359,000         461,000         465,000         2,697,000           2006         2,810,000         3,693,000         2,125,000         3,447,000         19,694,000           2004         10,329,000         3,401,000         1,970,000         2,154,000         19,694,000           2005         14,539,000         2,961,000         4,467,000         2,846,000         21,510,000           2006         10,231,000         2,961,000         4,467,000         2,846,000         1,005,000         21,510,000           30. 2/ Includes Southeast. 3/ Includes Northwest. 4/ Computed prior to rounding purchases.	MORAVIAN 37	2004	442,000			2,348,000		2,790,000	11.3	92
2006         1,691,000         1,691,000           2004         190,000         1,750,000         55,000         1,995,000           2005         1,435,000         7,000         440,000         442,000           2006         2,810,000         359,000         461,000         465,000         2,697,000           2005         2,810,000         3,693,000         2,125,000         3,447,000         4,145,000           2006         10,329,000         3,401,000         1,970,000         2,154,000         19,694,000           2005         14,539,000         3,401,000         4,467,000         2,846,000         1,005,000         21,510,000           2006         10,231,000         2,961,000         4,467,000         2,846,000         1,005,000         21,510,000           30. 2/ Includes Southeast. 3/ Includes Northwest. 4/ Computed prior to rounding purchases.         20 ton prior to rounding purchases.		2005	505,000			1,588,000		2,093,000	11.9	92
2004         190,000         1,750,000         55,000         1,995,000           2005         1,435,000         7,000         440,000         417,000         100,000         2,697,000           2004         1,740,000         359,000         461,000         465,000         4,145,000           2005         2,810,000         3,693,000         2,125,000         3,447,000         19,694,000           2004         10,239,000         3,401,000         1,970,000         2,154,000         19,694,000           2005         14,539,000         3,401,000         4,467,000         2,846,000         1,005,000         21,510,000           2006         10,231,000         2,961,000         2,846,000         1,005,000         21,510,000           30. 2/ Includes Southeast. 3/ Includes Northwest. 4/ Computed prior to rounding purchases.		2006				1,691,000		1,691,000	11.4	93
2005         1,435,000         7,000         1,442,000           2006         672,000         440,000         417,000         100,000         2,697,000           2004         1,740,000         359,000         461,000         465,000         4,145,000           2005         2,810,000         3,693,000         2,125,000         3,447,000         19,694,000           2004         10,329,000         3,401,000         1,970,000         2,154,000         19,694,000           2005         14,539,000         2,961,000         4,467,000         2,846,000         1,005,000         21,510,000           2006         10,231,000         2,961,000         4,467,000         2,846,000         1,005,000         21,510,000           30. 2/ Includes Southeast. 3/ Includes Northwest. 4/ Computed prior to rounding purchases.         2,000         2,000         21,510,000	LEGACY	2004	190,000	1,750,000	55,000			1,995,000	12.9	78
2006         672,000         440,000         417,000         2,697,000           2004         1,740,000         359,000         461,000         465,000         50,000         4,145,000           2005         2,810,000         103,000         461,000         465,000         50,000         4,145,000           2006         10,329,000         3,693,000         2,125,000         3,447,000         100,000         19,694,000           2005         14,539,000         3,401,000         1,970,000         2,154,000         386,000         22,450,000           2006         10,231,000         2,961,000         4,467,000         2,846,000         1,005,000         21,510,000           30. 2/ Includes Southeast. 3/ Includes Northwest. 4/ Computed prior to rounding purchases.         20 conditions prior to rounding purchases.		2005		1,435,000	7,000			1,442,000	12.1	78
2004         1,740,000         359,000         440,000         417,000         100,000         2,697,000           2005         2,810,000         359,000         461,000         465,000         50,000         4,145,000           2006         41,000         103,000         2,125,000         3,447,000         19,694,000           2005         14,539,000         3,401,000         1,970,000         2,154,000         386,000         22,450,000           2006         10,231,000         2,961,000         4,467,000         2,846,000         1,005,000         21,510,000           30. 2/ Includes Southeast. 3/ Includes Northwest. 4/ Computed prior to rounding purchases.		2006		672,000				672,000	11.4	78
2005         2,810,000         359,000         461,000         465,000         4,145,000         144,000           2006         41,000         103,000         2,125,000         3,447,000         100,000         19,694,000           2005         14,539,000         3,401,000         1,970,000         2,154,000         386,000         22,450,000           2006         10,231,000         2,961,000         4,467,000         2,846,000         1,005,000         21,510,000           30. 2/ Includes Southeast. 3/ Includes Northwest. 4/ Computed prior to rounding purchases.	OTHER 5/	2004	1,740,000		440,000	417,000		2,697,000	11.9	87
2006         41,000         103,000         2,125,000         3,447,000         100,000         19,694,000           2004         10,329,000         3,693,000         2,125,000         3,447,000         100,000         19,694,000           2005         14,539,000         3,401,000         1,970,000         2,154,000         386,000         22,450,000           2006         10,231,000         2,961,000         4,467,000         2,846,000         1,005,000         21,510,000           30. 2/ Includes Southeast. 3/ Includes Northwest. 4/ Computed prior to rounding purchases.		2005	2,810,000		461,000	465,000		4,145,000	12.5	84
2004         10,329,000         3,693,000         2,125,000         3,447,000         100,000         19,694,000           2005         14,539,000         3,401,000         1,970,000         2,154,000         386,000         22,450,000           2006         10,231,000         2,961,000         4,467,000         2,846,000         1,005,000         21,510,000           30. 2/ Includes Southeast. 3/ Includes Northwest. 4/ Computed prior to rounding purchases.		2006	41,000					144,000	12.1	98
2005 14,539,000 3,401,000 1,970,000 2,154,000 386,000 22,450,000 2006 10,231,000 2,961,000 4,467,000 2,846,000 1,005,000 21,510,000 30. 2/ Includes Southeast. 3/ Includes Northwest. 4/ Computed prior to rounding purchases.	TOTAL	2004	10,329,000		2,125,000	3,447,000		19,694,000	12.0	84
2006   10,231,000   2,961,000   4,467,000   2,846,000   1,005,000   21,510,000   30. 2/ Includes Southeast. 3/ Includes Northwest. 4/ Computed prior to rounding purchases.		2005	14,539,000		1,970,000	2,154,000		22,450,000	12.2	98
30. 2/ Includes Southeast.		2006	10,231,000		4,467,000	2,846,000		21,510,000	12.3	84
5/ Includes B1202 and other varieties.	1/ Crop year defined as July 1 to June	30. 2/ Incl	udes Southeas		orthwest. 4/ (	Somputed pric	or to rounding pu	irchases.		
	5/ Includes B1202 and other varieties.									

Montana State Library

### Wilson Jones Waltus A.

### C 47-13 Redi-Cover 7.

C447-13	U D	100
C447-13B	BLACK	44 53
C447-13BL	DARK BLUE	44761
C447-13J	LIGHT BLUE	441
C447-13Y	YELLOW	44710

